



AFLOAT
Weapons
(3WS)
Checklist

UPDATED April 2016

SAFETY REVIEW ITEMS - Weapons

01. Administration and Training

1. (A1A0) ARE MAGAZINES/LOCKERS WITH TEMPERATURES THAT CONSISTENTLY EXCEED 100 DEGREES F RECORDED AND REPORTED IAW NAVSEA OP4 AND SHIPS WEAPONS DEPARTMENT DIRECTIVES?

REF: NAVSEA OP 4 3-12.11.3

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

2. (A1B0) ARE PMS RECORDS FOR MAGAZINE SPRINKLER SYSTEM TESTS AND MAGAZINE TEMPERATURE LOGS MAINTAINED AND UP-TO-DATE?

REF: PMS MIP 5221/032 LCS CLASS

PMS MIP 5221/033 LCS CLASS

(DDG 52 and CVN 78). MIPs & MRCs are currently under development

NAVSEA OP-4 3.12.11.2

PMS MIP 5221/012

PMS MIP 5221/009

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

3. (A1C0) ARE ORDNANCE SAFETY PUBLICATIONS AND INSTRUCTIONS ON BOARD AND UP-TO-DATE?

REF: NAVSEA OP-4 B

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

4. (A1E0) ARE PERSONNEL THOROUGHLY TRAINED AND QUALIFIED IN THE HAZARDS AND EMERGENCY PROCEDURES ASSOCIATED WITH OTTO II FUEL IAW NAVSEA INSTRUCTION OP-4?

REF: NAVSEA OP-4 2-17.3

NAVSEA S6340-AA-MMA-010 CH 3

NAVSEA S6340-AA-MMA-010 CH 5

NAVSEA S6340-AA-MMA-010 APPENDIX B-1

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

5. (A1F0) DOES THE SHIP HAVE AN ORDNANCE QUALIFICATION AND CERTIFICATION PROGRAM (PQS) IN EFFECT FOR PERSONNEL ACTIVELY ENGAGED IN ORDNANCE HANDLING? DOES THE SHIP HAVE BOARD CHAIRMEN AND BOARD MEMBERS DESIGNATED IN WRITING?

REF: NAVSEA OP-4 2-4.4.1

OPNAVINST 8023.24 SERIES

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

6. (A1G0) DOES THE SHIP HAVE A CURRENT HERO BILL? DOES THE BILL ADDRESS THE APPROPRIATE HERO CONDITIONS FOR ALL AMMUNITION BEING HANDLED?

REF: NAVSEA OP-4 5-4.7.1

NAVSEA OP 3565 3-1

NAVSEA OP 3565 3-2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

02. Deck Covering

7. (A2A0) ARE NON-SKID TREADS OR DECK COVERING IN NEED OF REPLACEMENT IN WORKING AREAS OF MAGAZINES, HANDLING ROOMS AND READY SERVICE AREAS?

REF: NAVSEA OP-4 5-5.1R

NSTM 634 2.1 TABLE 634-2.1D

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

8. (A2B0) IS THERE AN OUTLINE FOR PORTABLE RUBBER MATTING AND IS MATTING AVAILABLE AT THE MOUNT?

REF: NAVSEA S9AA0-AB-GOS-010

GSO CH 634 (C) (2)

NSTM 634 -3.12.2.2

NSTM 634 TABLE 634-2.1D

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

03. General Checks

9. (A3A0) IS PIPING OR ELECTRICAL CABLING ROUTED THROUGH MAGAZINES
INSTALLED IAW NAVSEA OP4?

REF: NAVSEA OP-4 5-5.1 K AND L

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

10. (A3B0) ARE DOORS AND HATCHES TO MAGAZINES PROVIDED WITH A MEANS FOR
SECURING IN THE OPEN POSITION?

REF: NAVSEA OP-4 5-5.1 N

NAVSEA OP-4 5-5.2.6b

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

11. (A3C0) ARE SAFETY NETS INSTALLED IN TRUNK LEADING TO MAGAZINES THAT
EXTEND THROUGH THREE OR MORE DECKS?

REF: NAVSEA OP-4 3-6b

NAVSEA DRAWING 804-5184163

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

12. (A3F0) ARE APPROVED MARINE LOCATION (RACKS) INSTALLED ON BRIDGE
WINGS AND AFTER-LOOKOUT STATIONS?

ARE THE MARKERS REMOVED AND PROPERLY STOWED WHILE INPORT?

REF: NAVSEA OP-4 3-14.8.2 A THRU D

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

13. (A3G0) ARE SAFETY CHAINS OR LINES INSTALLED AROUND OPEN HATCHES
LEADING TO AMMO TRUNKS?

REF: NAVSEA S9AA0-AB-GOS-010

GSO 612 B

GSO 612 C

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

14. (A3H0) ARE DANGER CIRCLES PROPERLY PAINTED AROUND POWER DRIVEN ARMAMENT INSTALLATIONS? (MOUNTS/LAUNCHERS) (shall be approximately 18 inches from the maximum rotating projection of the armament)

REF: NAVSEA OP-4 APPENDIX D-4.1,D-4.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

15. (A3K0) IS SELF-CONTAINED OR SUPPLIED AIR BREATHING APPARATUS AVAILABLE IN THE VICINITY OF OTTO FUEL II OPERATIONS?

REF: NAVSEA S6340-AA-MMA-010 3-9.4

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

04. Signs/Instructions

16. (A4A0) ARE MAGAZINES/LOCKERS PROPERLY IDENTIFIED AS TO CONTENTS?

REF: NAVSEA OP-4 3-12.11

NAVSEA OP-4 3-14.3.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

17. (A4B0) ARE PROPER SAFETY PRECAUTIONS POSTED AT REQUIRED LOCATIONS? ARE THEY LEGIBLE?

REF: NAVSEA S6340-AA-MMA-010 B

NAVSEA OP-4 2-19 3-12.2, APPENDIX D, D1-D5

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

18. (A4C0) ARE ELEVATORS NOT AUTHORIZED FOR PASSENGERS USE MARKED "KEEP OFF THIS ELEVATOR WHEN IN OPERATION"?

REF: NAVSEA OP-4 -3-8.1 C

NSTM 772 -4.6.8

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

19. (A4D0) ARE AMMUNITION HOISTS MARKED "KEEP OFF THIS HOIST" IN 2" HIGH LETTERS?

REF: NAVSEA OP-4 3-8.1 C

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

20. (A4E0) IS THE SAFE CARRYING CAPACITY IN POUNDS POSTED ON EACH ELEVATOR?

REF: NSTM 772 4.6.5, 4.6.6

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

21. (A4F0) ARE OPERATING INSTRUCTIONS FOR THE OPERATION OF AMMUNITION HOISTS/ELEVATORS POSTED?

REF: NAVSEA OP-4 3-8.1 B

NSTM 772 4.3.3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

22. (A4G0) ARE "AMMUNITION FAR SIDE" SIGNS POSTED? ARE THEY PROPER POSTED IAW NAVSEA OP 4?

REF: NAVSEA OP-4 2-19 APPENDIX D

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

23. (A4H0) ARE HERO WARNING LABELS AFFIXED TO ALL PORTABLE RADIOS?

REF: OP 3565 Vol 2 1-8.2 FIGURES 1-4

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

05. Sprinkler Systems General

24. (B1A0) ARE PRIMARY AND MISSILE MAGAZINES, AMMUNITION HANDLING ROOMS, READY SERVICE MAGAZINES AND MISSION MODULE MAGAZINE (LCS CLASS) COVERED BY A PROPERLY INSTALLED SPRINKLER SYSTEM? ARE ANY COMPONENTS DAMAGED OR MISSING?

REF: NAVSEA OP-4 5.4.4

PMS MIP 7000/X01 R-1D

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

25. (B1C0) HAVE PERSONNEL RESPONSIBLE FOR MAGAZINE SPRINKLER SYSTEM MAINTENANCE RECEIVED FORMAL TRAINING AND COMPLETED APPLICABLE PQS IAW NAVSEA OP-4? (CVN 78 PERSONNEL RECIEVE FORMAL TRAINING FROM ISEA or HII. DDG52 PERSONNEL RECEIVE FORMAL TRAINING FROM NSWCCD.)

REF: NAVSEA OP-4 2-4.4.1

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

26. (B1D0) ARE NECESSARY TOOLS ABOARD TO PROPERLY TEST SPRINKLER SYSTEMS IAW PMS?

REF: PMS MIP 5221/032 LCS CLASS

PMS MIP 5221/033 LCS CLASS

NAVSEA S9522-AA-HBK-010

PMS MIP 5221/012

PMS MIP 5121/009

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

27. (B1E0) DO PMS RECORDS INDICATE THAT REQUIRED TESTS ARE CONDUCTED?

REF: NAVSEA S9522-AA-HBK-010

PMS MIP 5221/033 LCS CLASS

PMS MIP 5221/012

PMS MIP 5121/009

PMS MIP 5221/032 LCS CLASS

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

28. (B1G0) ARE INSTRUCTION PLATES DESCRIBING OPERATIONS OF LOCAL/REMOTE MANUAL CONTROLS FOR SPRINKLER SYSTEMS AND THE SPACE COVERED BY THE SYSTEM PRESENT?

REF: NAVSEA OP-4 5-5.4.6

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

29. (B1I0) IS A LEGIBLE LABEL PLATE ATTACHED TO THE ORIFICE DRAIN LINES STATING: "IF ANY DRAINS DRIP OR DISCHARGE WATER OTHER THAN DURING SYSTEM TEST THIS SHALL BE REPORTED TO THE ORDNANCE OFFICER FOR CORRECTIVE ACTION. DO NOT PLUG ENDS OF PIPING"?

REF: NAVSEA S9522-AA-HBK-010 3-5.3.3

PMS MIP 7000/X01 D-1

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

06. Sprinkler Systems Equipment

30. (B2A0) ARE SYSTEM COMPONENTS AND JOINTS LEAK TIGHT (NO EVIDENCE OF LEAKAGE)?

REF: NAVSEA OP-4 3-12.11.2F

PMS 7000/X01 R-1D

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

31. (B2B0) ARE AUTOMATIC SYSTEM COMPONENTS (E.G., HAD (Heat Actuated Devices) FTU (Fixed Temperature Units) HSD (Heat Sensing Device) PRPV (pneumatically-released pilot valve) FREE OF PAINT, MASKING TAPE WHICH MIGHT COMPROMISE THE SYSTEM?

REF: NAVSEA S9522-AA-HBK-010 3-4.3.2

NAVSEA S9522-AA-HBK-010 3-4.4.2

NAVSEA S9522-AA-HBK-010 3-3.2

NAVSEA S9522-AA-HBK-010 3-4.1.2

NAVSEA S9522-AA-HBK-010 3-4.2.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

32. (B2C0) ARE THE VARIOUS PRESSURE GAGES IN THE SPRINKLER SYSTEM
PROPERLY MOUNTED AND CALIBRATED?
IS FIRE MAIN PRESSURE ADEQUATE FOR TYPE SYSTEM INSTALLED IAW
NAVSEA HANDBOOK AND NSTM? (MIN 40 PSI)
REF: NAVSEA S9522-AA-HBK-010
NSTM 504

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

33. (B2H0) IS A 1/8 IN. CONDENSATE DRAIN HOLE INSTALLED IN THE UNDERSIDE
OF THE SPRINKLER HORIZONTAL PIPING IMMEDIATELY DOWNSTREAM FROM
THE FH ALARM? IS IT PLUGGED?
REF: NAVSEA S9522-AA-HBK-010 Rev 3

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

34. (B2I0) IS THE SCHRADER VALVE DUST COVER INSTALLED? ARE PRP VALVE
SERIAL NUMBER VISIBLE AND NOT HIDDEN OR OBSCURER?
REF: NAVSEA S9522-AA-HBK-010 5-3.3

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

35. (B2K0) ARE REMOTE AND LOCAL SPRINKLER THREE-WAY CONTROL VALVES
PROPERLY SECURED WITH A WEDGE AND PLASTIC TAMPER SEAL?

REF: S9522-AA-HBK-010 PARA 3-1.7.1, 3-1.8.2, 3-1.8.3, FIG 3-9
REF: S9522-AA-HBK-010 3-1.8.2
S9522-AA-HBK-010 3-1.8.3, FIG 3-9
S9522-AA-HBK-010 3-1.7.2

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

36. (B2O0) DOES PMS INDICATE THAT REQUIRED FH CIRCUIT TESTS ARE BEING
CONDUCTED?
REF: PMS MIP 5221/012
PMS MIP 5221/032 LCS CLASS
PMS MIP 5221/033 LCS CLASS
PMS MIP 5221/009

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

37. (B2P0) ARE HIGH TEMPERATURE ALARMS ("F" CIRCUITS) IC/J105 PROPERLY INSTALLED WITH MINIMUM OF TWO SENSORS PER SPACE AND ARE SENSORS INSULATED FROM THE STEEL STRUCTURE IN SPACES EXPOSED TO RADIANT HEAT?

REF: S9522-AA-HBK-010 3-3.2

OP-4 5-4

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

38. (B2Q0) DOES PMS INDICATE REQUIRED F CIRCUIT TESTS ARE CONDUCTED?

REF: PMS MIP 4361/001 A-4

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

39. (B2S0) ARE SPRINKLING SYSTEMS INSTALLED IN MAGAZINES THAT CONTAIN AMMUNITION LARGER THAN 40 MM? (INCLUDES DEMOLITION MATERIAL AND ALL MAGAZINES BELOW THE DAMAGE CONTROL DECK)

REF: NAVSEA S9522-AA-HBK-010 REV 3 4-1

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

07. Seawater Operation

40. (B4A0) ARE LOCAL CONTROL STATIONS LOCATED IN, OR IN THE IMMEDIATE VICINITY OF THE SPACE?

REF: NAVSEA S9522-AA-HBK-010 REV 3 4-2.2

NAVSEA S9AA0-AB-GOS-010 521D

NAVSEA OP-4 5-5.4.3, 4.4, 4.5

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

07. Seawater Operation

41. (B4B0) ARE REMOTE CONTROL STATIONS LOCATED ON THE DAMAGE CONTROL DECK? (ONLY FOR MAGAZINES BELOW THE DAMAGE CONTROL DECK)

REF: NAVSEA OP-4 5-5.4.5

NAVSEA S9522-AA-HBK-010 REV 3 4-2.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

42. (B4D0) ARE LOCAL AND REMOTE STATION SUPPLIES PROTECTED BY A STRAINER?

REF: NAVSEA S9522-AA-HBK-010 REV 3 3-2.3.2

NAVSEA S9522-AA-HBK-010 REV 3 4-1, 4-2, 4-3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

43. (B4H0) ARE ORIFICE PLATES INSTALLED SO THAT FLOW THROUGH THEM IS DOWN?

REF: NAVSEA S9522-AA-HBK-010 REV 3 3-5.3.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

44. (B4I0) IS EACH DRAIN LINE PROPERLY NUMBERED AND DISCHARGES INTO A PORTABLE CONTAINER?

REF: NAVSEA S9522-AA-HBK-010 REV 3 4-2.2 FIG 4-2, 4-3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

07. Seawater Systems

45. (B4G0) ARE THE REQUIRED ORIFICES INSTALLED (0.98 "HOLE") WITH GASKET MATERIAL NYLON INSERTED RUBBER SHEET PER DWG 804-5284201, TYPE 1 OR 2?

REF: MIL-STD-777

S9522-AA-HBK-010 REV 3 4-2.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

08. Automatic Operation

46. (B5A0) ARE PRP VALVE SHOCK MOUNTS RESILIENT AND UNPAINTED? ARE PRP VALVES MODIFIED? (FULCRUM LEVER DAMPER) (NOTE PRP VALVES, SHALL HAVE A "D" STAMPED WITHIN THE SERIAL NUMBER)

REF: NAVSEA S9522-AA-HBK-010 REV 3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

47. (B5B0) IS WIRE REINFORCED HOSE WITH MONEL OR NICKEL-ALUMINUM-BRONZE ENDFITTINGS USED IN PRPV INLET/OUTLET? IS A LABEL INSTALLED INDICATING HYDROSTATIC TEST DATA AND INSTALLATION DATE?

REF: NAVSEA S9522-AA-HBK 010 REV 3

S6430-AE-TED-010 VOL1 8.5

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

48. (B5C0) ARE PROPER LOOPS INSTALLED IN SEA WATER LINES (10" MIN. DIA. LOOP) AND SENSING LINES (4" MIN. DIA. LOOP) TO THE PRPV?

REF: NAVSEA S9AA0-AB-GOS-010

GSO 521 D

NAVSEA S9522-AA-HBK-010 REV 3 3-4.2.2, 3-4.3.2, 4-4.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

49. (B5D0) ARE MONEL END PLUGS INSTALLED IN PRPV?

REF: NAVSEA S9522-AA-HBK-010 REV 3 5-3.3 (a,6)

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

50. (B5E0) IS PRPV WATER SUPPLY LINE PROTECTED BY A STRAINER?

REF: NAVSEA S9522-AA-HBK-010 REV 3 3-2.3.2 FIG 4-2, 4-3, 4-6

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

51. (B5F0) IS THERE A LOCK-SHIELD VALVE UPSTREAM OF A PROPERLY INSTALLED STRAINER?

REF: NAVSEA S9522-AA-HBK-010 REV 3 3-2.3.2

NAVSEA S9522-AA-HBK-010 REV 3 4-2, 4-3, 4-6

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

52. (B5G0) ARE CIRCLE SEAL CHECK VALVES PROPERLY INSTALLED IN A HORIZONTAL BANK (LEAVING SPACE FOR 4 IN LOOP IN SENSING LINES THAT ARE LESS THAN 60 IN. IN LENGTH) ABOVE THE PRP AND WITH THE ARROW POINTING DOWN ON THE VALVE BODY?

REF: NAVSEA S9522-AA-HBK-010 REV 3 3-4.3.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

53. (B5H0) ARE AT LEAST TWO HEAT SENSING DEVICES (HSD OR COMBINATION OF HAD/FTU) INSTALLED IN EACH MAGAZINE OR CUT-OFF AREA WITHIN THE MAGAZINE?

REF: NAVSEA S9522-AA-HBK-010 REV 3 3-4.1.2 FIG 3-14, 3-15

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

54. (B5I0) IS ANY HEAT SENSING DEVICE INSTALLED WITHIN 1 FOOT OF BEAM OR BULKHEAD? (BEAMS 6" OR GREATER IN DEPTH)

REF: NAVSEA S9522-AA-HBK-010 PARA 3-4.1.2 "C"

REF: NAVSEA S9522-AA-HBK-010 3-4.1.2 C

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

55. (B5J0) IS ANY HEAT SENSING DEVICE INSTALLED WITHIN 5 FEET OF ANY SUPPLY VENTILATION TERMINAL OR AIR CONDITIONING UNIT DISCHARGE? (SEE REFERENCE FOR CLARIFICATION)

REF: NAVSEA S9522-AA-HBK-010 3-4.1.2 B

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

56. (B5K0) IS A HEAT SENSING DEVICE INSTALLED WITHIN 8 FEET OF A BOUNDARY BULKHEAD?

REF: NAVSEA S9522-AA-HBK-010 3-4.1.2 A

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

57. (B5L0) ARE HSDS OR HAD/FTU DEVICES AND SENSING LINES PROPERLY
INSTALLED?

REF:

NAVSEA S9522-AA-HBK-010 REV 3 FIGURES 3-25, 3-26 and
Appendix I

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

09. Sprinkler Test Fittings

58. (B6I0) IS A LOCKED LOCKER PROVIDED FOR SPRINKLER SYSTEM TEST FITTINGS?

REF: NAVSEA OP-4 5-5.4.7

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

10. Alarms

59. (B7A0) ARE DRAIN PLUGS MISSING FROM "FH" (WATER FLOW) SWITCHES?

REF: NAVSEA S9522-AA-HBK-010 REV 3 5-2.1.Q

PMS MIP 7000/XO1 A-1

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

60. (B7B0) ARE F, FD AND FH ALARM CIRCUITS CONNECTED TO REPEATER ALARM
BELLS ON THE BRIDGE, DAMAGE CONTROL STATION AND QUARTERDECK?
(NOT COMMON TERMINAL)

REF: NAVSEA OP-4 5-5.3

NAVSEA S9AA0-AB-GOS-010/GSO SEC 436D

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

61. (B7C0) DOES PMS INDICATE REPEATER ALARM BELLS ON THE BRIDGE, DAMAGE
CONTROL STATION AND QUARTERDECK OPERATE PROPERLY?

REF: NAVSEA S9AA0-AB-GOS-010/GSO SEC 436 (B)

PMS MIP 4361/001 A-5

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

62. (B7F0) IS A WARNING SIGN POSTED ADJACENT TO THE REMOTE AUDIBLE/VISUAL ALARMS FOR THE F, FD AND FH CIRCUITS LOCATED IN THE PILOT HOUSE, OOD STATIONS AND DC CENTRAL? (F AND FH ALARMS CAN BE ON A COMMON TERMINAL ON THE BRIDGE AND OOD STATIONS).

REF: NAVSEA OP-4 5-5.3

NAVSEA S9AA0-AB-GOS-010/GSO SEC 436 D

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

11. Equipment and Maintenance

63. (C1A0) ARE READY SERVICE LOCKERS USED AND MAINTAINED IN ACCORDANCE WITH NSTM, PMS AND OP4?

REF: NAVSEA DRAWING no.804-1360106

NAVSEA OP 4 3-12.12.2

NSTM 700 5.14.1

PMS MIP 7631/010

PMS MIP 7631/010

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

64. (C1B0) ARE AMMUNITION PASSING SCUTTLES MAINTAINED IAW OP-4?

REF: inspected to
detect the development of sharp edges or other
projections which might damage the ammunition and to
confirm the presence of a watertight cover on the
magazine side of the bulkhead.

NAVSEA OP 4 3-7

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

65. (C1C0) ARE ALL LIGHTS, INCLUDING BATTLE LANTERNS, OPERATIVE AND IN GOOD CONDITION? IAW NAVSEA OP 4

REF: NAVSEA OP-4 3-12.12.2h

NAVSEA S9AA0-AB-GOS-010/GSO SEC 332

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

66. (C1D0) ARE WIRE MESH SCREENS PROVIDED FOR VENTILATION EXHAUST DUCT
TERMINALS? ARE THEY CLEAN?

REF: NSTM 510 7.1.9

NAVSEA OP-4 5-5.1 F

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

67. (C1E0) ARE HOOKS USED TO LIFT AMMUNITION OR WEAPONS PROVIDED WITH
SAFETY LATCHES OR MOUSED?

REF: NSTM 700 4.3.15

NAVSEA OP-4 3-9.2.2 C

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

68. (C1F0) ARE HOIST HOOKS UNPAINTED TO FACILITATE VISUAL INSPECTION FOR
CRACKS AND OTHER DEFECTS?

REF: NSTM 700 3.4.6

NSTM 700 4.3.15

NAVSEA OP-4 3-9.2.3a

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

69. (C1G0) HAS AMMUNITION HANDLING EQUIPMENT BEEN WEIGHT TESTED IN
ACCORDANCE WITH CURRENT DIRECTIVES, EQUIPMENT DATE-STAMPED OR
TAGGED AS TO TESTS MADE? IS A PERMANENT LOG MAINTAINED?

REF: NAVSEA OP-4 3-9.2.3c

NSTM 700 -4.6

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

70. (C1H0) DOES ANY AMMUNITION HANDLING EQUIPMENT APPEAR TO BE DEFECTIVE?

REF: NAVSEA OP-4 3-9.2.3a

NSTM 700 2.1

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

71. (C1J0) ARE READY SERVICE LOCKERS WHICH ARE EXPOSED TO THE SUN PROVIDED WITH SUNSHIELDS?

REF: NAVSEA OP-4 5-5.2.6 B

NSTM 700 5-14.1

NSTM 700 5-14.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

72. (C1J6) ARE OTTO FUEL SPILL KITS LOCATED IN THE VICINITY OF (NOT IN) THE STOWAGE SPACE? WHEN WAS THE LAST INVENTORY CONDUCTED? ARE THERE ANY ITEMS MISSING?

REF: AEL-006300369

SPDLT 63Z232

RP5810/MK46 SER1309/5

S6340-AA-MMA-010 APPEND H-1, CH 5-12, PG 3-8

OP 4 3-14.1.1C

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

73. (C1K0) ARE RUBBER GASKETS BROKEN OR MISSING FROM MAGAZINE, HANDLING ROOM OR LOCKER ACCESS DOORS?

REF: NSTM 700 5-13.4

NAVSEA S9AA0-AB-GOS-010/GSO SEC 624B

PMS MIP 7631/010 A-2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

74. (C1K4) ARE DAILY AMMUNITION INSPECTIONS CONDUCTED AND A LOG MAINTAINED?

REF: NAVSEA OP-4 3-12.12.2

PMS PMS 7000/XO1 R-1D

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

75. (C1K8) HAS THE CO/OIC AUTHORIZED IN WRITING INDIVIDUALS AS QUALIFIED INSTRUCTORS TO PROVIDE MHE OPERATOR TRAINING?

REF: NAVSEA SW023-AH-WHM-010 3-4.3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

76. (C1L2) HAS THE MHE INSTRUCTOR COMPLETED AN APPROVED INSTRUCTOR COURSE?
REF: NAVSEA SW023-AH-WHM-010 3-5A

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

77. (C1L4) DOES THE MHE INSTRUCTOR POSSESS AN MHE OPERATOR'S LICENSE?
REF: NAVSEA SW023-AH-WHM-010 3-5 B

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

78. (C1L6) ARE THE ADMINISTRATIVE CONTROLS IN PLACE TO ENSURE THAT MHE OPERATORS ARE INFORMED OF CHANGES TO REFERENCE MANUALS THAT AFFECT THE SAFETY OF MHE OPERATIONS?
REF: NAVSEA SW023-AH-WHM-010 3-3.3B

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

79. (C1L8) HAVE MHE OPERATORS ATTENDED REFRESHER TRAINING AS NECESSARY?
REF: NAVSEA SW023-AH-WHM-010 3-3.4 A THRU F

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

80. (C1M2) DOES THE MHE OPERATOR'S LICENSE CONTAIN ALL PERTINENT INFORMATION? (I.E.; EXPLOSIVE OPERATOR, MEDICAL EXAM)
REF: NAVSEA SW023-AH-WHM-010 PARA 3-4.1 A, B, C, D, E

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

81. (C1M4) IS THERE A DOCUMENTED PROCESS TO RENEW A REVOKED/EXPIRED OPERATOR'S LICENSE?
REF: NAVSEA SW023-AH-WHM-010 3-4.4
NAVSEA SW023-AH-WHM-010 3-4.5

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

82. (C1M6) IS A MAINTENANCE HISTORY FILE FOR EACH PIECE OF MHE MAINTAINED?

REF: NAVSEA OP 4 3-9.4

NAVSEA SW023-AH-WHM-010 6-2

NAVSUP PUBLICATION 538 8-3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

83. (C1M8) ARE PRE/POST OPERATIONAL INSPECTIONS CONDUCTED AND RECORDED?

REF: NAVSEA SW023-AH-WHM-010 4-2

NAVSEA SW023-AH-WHM-010 6-3

NAVSUP PUBLICATION 538 8-2.1 FIGURE 8-1

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

84. (C1N0) IS MATERIAL HANDLING EQUIPMENT (INDUSTRIAL TRUCKS) HANDLING
EXPLOSIVE ORDNANCE PROPERLY MARKED?

REF: NAVSUP PUBLICATION 538

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

85. (C1O0) ARE OPERATORS OF EQUIPMENT HANDLING AMMUNITION QUALIFIED AND
LICENSED?

REF: NAVSEA OP 4 3-9.1.4.C

NAVSEA SW023-AH-WHM-010 3-3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

86. (C1Q0) DOES CHAIN HOIST HAVE A LOAD CHAIN CONTAINER?

REF: NAVSEA S9AA0-AB-GOS-010/GSO SEC 703C

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

87. (C1R0) HAS THE LABEL FOR THE ATFP 1620G TACTICAL VESTS BEEN ANNOTATED WITH AN "R" TO INDICATE MODIFICATIONS COMPLETE?

REF: NAVSEA 04L MSG 180432Z JAN 02

COMNAVSURFOR MSG R 041506Z DEC 03

AEL 2-32002450 1/2/3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

88. (C1S0) HAVE TWO ADDITIONAL BOUYANCY PADS BEEN INSTALLED IN THE ATFP 1620G TACTICAL VESTS? (FOR A TOTAL OF EIGHT PADS)

REF: NAVSEA 04L MSG 180432Z JAN 02

COMNAVSURFOR MSG R 041506Z DEC 03

AEL 2-32002450 1/2/3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

89. (C1T0) HAS THE HOLSTER FOR THE ATFP 1620G TACTICAL VESTS BEEN MODIFIED, REPOSITIONING THE RIVETS?

REF: NAVSEA 04L MSG 180432Z JAN 02

COMNAVSURFOR MSG R 041506Z DEC 03

AEL 2-32002450 1/2/3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

90. (C1U0) HAVE ALL OF THE ATFP 1620G TACTICAL VESTS BEEN SERIALIZED AND DOCUMENTATION ON HAND FOR THE ANNUAL FLOAT TEST?

REF: NAVSEA 04L MSG 180432Z JAN 02

COMNAVSURFOR MSG R 041506Z DEC 03

AEL 2-32002450 1/2/3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

12. Stowage Safety General

91. (D1A0) ARE BIMETALLIC THERMOMETERS AND TEMPERATURE CARDS PRESENT IN EACH MAGAZINE AND AMMUNITION LOCKER AND ARE THEY PROPERLY MOUNTED WITH CURRENT CALIBRATION?

REF: 9802/003 U-10, U-30

NAVSEA OP-4 3-12.11.2g

NSTM 504 10.7.3

NAVSEA OP-4 5.5.1E

PMS MIP 7000/XO1 R-1D

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

92. (D1B0) ARE MAGAZINE TEMPERATURES RECORDED DAILY ON TEMP CARD AND DATA TRANSFERRED TO SHIP'S SMOOTH DECK LOG FOR A PERMANENT RECORD? ARE ANY TEMPERATURES EXCESSIVE?

REF: NAVSEA OP-4 3-12.11.2g

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

93. (D1D0) ARE ITEMS STOWED TOGETHER COMPATIBLE ACCORDING TO NAVSEA OP4 DIRECTIVES?

REF: NAVSEA OP-4 3-13.2.1,/2.2/ 2.3

NAVSEA OP-4 TABLES 3-2, 3-3, 3-4

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

94. (D1E0) IS ANY UNAUTHORIZED MATERIAL STOWED IN MAGAZINE OR LOCKER?

REF: NAVSEA OP-4 3-12.7

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

95. (D1F0) IS PROPER DUNNAGE PROVIDED TO ALLOW AIR SPACE BELOW BOTTOM TIER?

REF: NAVSEA OP-4 3-12.11

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

96. (D1G0) ARE OPEN CONTAINERS OF AMMUNITION OR LOOSE ROUNDS IN ANY MAGAZINE?

REF: NAVSEA OP-4 3-14 THRU 3-14.12

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

97. (D1H0) IS ANY AMMUNITION STORED IN IMPROPER LOCATION/FASHION?

REF: NAVSEA OP 4 2-10

NAVSEA OP 4 3-13

NAVSEA OP 4 5-5

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

98. (D1I0) HAVE SAFETY PRECAUTIONS FOR HANDLING WHITE PHOSPHORUS ITEMS BEEN POSTED IN THE IMMEDIATE AREA OF THE STOWAGE SPACE?

REF: NAVSEA OP-4 2-19.2 APPENDIX D-3.4

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

99. (D1J0) IS PERSONAL PROTECTIVE EQUIPMENT AVAILABLE IN THE IMMEDIATE VICINITY OF THE WP STOWAGE TO HANDLE A "LEAKER"?

REF: NAVSEA OP-4 3-14-10.1 B

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

100. (D1K0) ARE WHITE PHOSPHOROUS ITEMS IN CARGO STOWAGE PLACED IN PROPER "NOSE UP" POSITIONS AS REQUIRED BY CURRENT DIRECTIVES?

REF: NAVSEA OP-4 3-14.3.2

NAVSEA OP-4 3-14.10.2b

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

101. (D1L0) IS A WATER TANK FOR IMMERSION OF WP "LEAKERS" PROVIDED? (EXCLUDING "L" FORM)

REF: NAVSEA OP-4 3-14.10.1b

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

102. (D1O2) ARE PYRO PISTOLS RETURNED TO THE ARMORY (OR SECURE STOWAGE) DURING IN PORT PERIODS AND IS AMMUNITION PROPERLY STOWED?

REF: NAVSEA OP-4 3-14.8.2d

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

103. (D1P0) IS DUMMY/DRILL AMMUNITION THAT IS STOWED WITH SERVICE TYPE PROPERLY COLOR CODED AND TAGGED FOR PRACTICE ONLY?

REF: NAVSEA OP-4 3-14.11

NAVSEA OP-4 3-14.11.1

NAVSEA OP-4 3-14.11.2

NAVSEA SWO10-AF-ORD-010

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

104. (D1Q0) IS AN UP-TO-DATE STOWAGE CHART FOR AMMUNITION POSTED IN MAGAZINE? IS IT CURRENT?

REF: NAVSEA OP-4 3-12.11

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

105. (D1S0) ARE AMMUNITION CONTAINERS IN MAGAZINES/LOCKERS MARKED AS TO THEIR TRUE CONTENTS?

REF: NAVSEA OP-4 3-12.11

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

106. (D1V0) ARE THERMITE INCENDIARY MUNITIONS STOWED ALONE IN A SPECIALLY BUILT LOCKER OR JETTISONABLE LOCKER?

REF: NAVSEA OP4 3-14.10.2 C

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

107. (D1Y0) HAVE SAFETY PRECAUTIONS FOR OTTO FUEL II BEEN POSTED IN THE IMMEDIATE AREA OF THE STORAGE SPACE?

REF: NAVSEA S6340-AA-MMA-O1O CHAP 3 APPEND B-1

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

13. Magazines

108. (D2A0) DO MAGAZINES HAVE VENTILATION/MECHANICAL COOLING?

REF: NAVSEA OP-4 5-5.1 PARA F

NSTM 700 5.6.2

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

109. (D2C0) ARE AMMUNITION LOCKERS LOCATED PROPERLY FOR SAFE HANDLING OR STORAGE OF CONTENTS?

REF: NAVSEA OP-4 5-5.1b

NAVSEA OP-4 5-5.2.6b

NSTM 700 5.13

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

110. (D2D0) ARE MAGAZINES PROPERLY EQUIPPED WITH BINS, BATTENS AND/OR STANCHIONS AND/OR HOLD/DOWN HARDWARE?

REF: NAVSEA OP-4 5-5.1j

NSTM 700 5.10

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

111. (D2E0) ARE MAGAZINES SEPARATED FROM FLAMMABLE LIQUIDS STOREROOMS BY AT LEAST ONE COMPARTMENT?

REF: NAVSEA OP-4 5-5.1 B

NAVSEA S9AA0-AB-GOS-010/GSO 671C

NSTM 700 5.3

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

112. (D2F0) IS THERE AN EMERGENCY ESCAPE SCUTTLE FOR EXITING A MAGAZINE WHEN OCCUPIED BY TEN OR MORE PEOPLE? (CONDITION: SPACES BELOW THE WATER LINE)

REF: NAVSEA OP-4 5-5.1 N

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

113. (D2H0) IS A SUFFICIENT QUANTITY OF PORTABLE BATTERY OPERATED BATTLE LANTERNS PROPERLY MOUNTED IN THE MAGAZINE?

REF: NSTM 330 1.9.3

NAVSEA OP 4 5.5.1 PARA I

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

14. Securing for Sea

114. (D3A0) IS AMMUNITION PROPERLY SHORED, TIED DOWN AND OTHERWISE SECURED FOR SEA?

REF: NAVSEA OP-4 3-12.10

NAVSEA OP-4 3-12.12.2q

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

15. Housekeeping

115. (D5A0) IS HOUSEKEEPING AND ORDER IN MAGAZINES IAW NAVSEA OP 4?

REF: NAVSEA OP-4 3-12.4

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

116. (D5C0) IS THERE EXCESSIVE CONDENSATION FROM COOLING/HEATING SYSTEMS ABOVE OR BELOW CAUSING RUST IN OVERHEAD OR DECKS IN MAGAZINES?

REF: NAVSEA OP-4 5-5.1 F

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

16. Small Arms Safety

117. (E1A0) ARE CLEARING BARREL PROCEDURES AVAILABLE IN THE VICINITY OF THE CLEARING BARREL?

REF: NTRP 3 07.2.2. CH 1-4

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

118. (E1B0) ARE PROPER PROCEDURES BEING UTILIZED WITH THE CLEARING BARREL
IAW FORCE PROTECTION WEAPONS HANDLING STANDARD PROCEDURES AND
GUIDELINES?

REF: NTRP 3-07.2.2 2-3
NTRP 3-07.2.2 3-3
NTRP 3-07.2.2 4-3
NTRP 3-07.2.2 5-3
NTRP 3-07.2.2 6-3

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

119. (E1B1) ARE THE CREW SERVED WEAPON MOUNTS FIRING CUT-OUTS INSTALLED TO
PREVENT FIRING AT OWN SHIP AND ARE THE CUT-OUTS LOCK WIRED IN
PLACE?

REF: MESSAGE DTG: 221333Z Nov 08

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

120. (E1B2) WERE ALL THE ATFP WATCHSTANDERS ON WATCH QUALIFIED FOR THE
STATION THEY CURRENTLY ASSUMED?

REF: OPNAVINST 3591.1F 2-4
OPNAVINST 3591.1F 4-6
OPNAVINST 3591.1F 5-C

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

17. Underway Operations

121. (F1A0) IS ORM APPLIED NOT ONLY TO OPERATIONAL MISSIONS, BUT AT THE
DECK PLATE LEVEL FOR DAY TO DAY WORK UNIT OPERATIONAL AS WELL?

REF: OPNAVINST 5100.19 Series A0402.C

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

Weapons

COMMAND NAME:

LOCATION:

UIC:

DATE:

SURVEYOR(S):

NO. COMPLETE:

NO. REQ ACTION:

NOT APPLICABLE:

Q #	Question	Result				Sig	Rep	PMS
1	3WSA1A0	C	R	N	U			
2	3WSA1B0	C	R	N	U			
3	3WSA1C0	C	R	N	U			
4	3WSA1E0	C	R	N	U			
5	3WSA1F0	C	R	N	U			
6	3WSA1G0	C	R	N	U			
7	3WSA2A0	C	R	N	U			
8	3WSA2B0	C	R	N	U			
9	3WSA3A0	C	R	N	U			
10	3WSA3B0	C	R	N	U			
11	3WSA3C0	C	R	N	U			
12	3WSA3F0	C	R	N	U			
13	3WSA3G0	C	R	N	U			
14	3WSA3H0	C	R	N	U			
15	3WSA3K0	C	R	N	U			
16	3WSA4A0	C	R	N	U			
17	3WSA4B0	C	R	N	U			
18	3WSA4C0	C	R	N	U			
19	3WSA4D0	C	R	N	U			
20	3WSA4E0	C	R	N	U			
21	3WSA4F0	C	R	N	U			
22	3WSA4G0	C	R	N	U			
23	3WSA4H0	C	R	N	U			
24	3WSB1A0	C	R	N	U			
25	3WSB1C0	C	R	N	U			
26	3WSB1D0	C	R	N	U			
27	3WSB1E0	C	R	N	U			
28	3WSB1G0	C	R	N	U			
29	3WSB1I0	C	R	N	U			
30	3WSB2A0	C	R	N	U			
31	3WSB2B0	C	R	N	U			
32	3WSB2C0	C	R	N	U			
33	3WSB2H0	C	R	N	U			

Q #	Question	Result				Sig	Rep	PMS
34	3WSB2I0	C	R	N	U			
35	3WSB2K0	C	R	N	U			
36	3WSB2O0	C	R	N	U			
37	3WSB2P0	C	R	N	U			
38	3WSB2Q0	C	R	N	U			
39	3WSB2S0	C	R	N	U			
40	3WSB4A0	C	R	N	U			
41	3WSB4B0	C	R	N	U			
42	3WSB4D0	C	R	N	U			
43	3WSB4G0	C	R	N	U			
44	3WSB4H0	C	R	N	U			
45	3WSB4I0	C	R	N	U			
46	3WSB5A0	C	R	N	U			
47	3WSB5B0	C	R	N	U			
48	3WSB5C0	C	R	N	U			
49	3WSB5D0	C	R	N	U			
50	3WSB5E0	C	R	N	U			
51	3WSB5F0	C	R	N	U			
52	3WSB5G0	C	R	N	U			
53	3WSB5H0	C	R	N	U			
54	3WSB5I0	C	R	N	U			
55	3WSB5J0	C	R	N	U			
56	3WSB5K0	C	R	N	U			
57	3WSB5L0	C	R	N	U			
58	3WSB6I0	C	R	N	U			
59	3WSB7A0	C	R	N	U			
60	3WSB7B0	C	R	N	U			
61	3WSB7C0	C	R	N	U			
62	3WSB7F0	C	R	N	U			
63	3WSC1A0	C	R	N	U			
64	3WSC1B0	C	R	N	U			
65	3WSC1C0	C	R	N	U			
66	3WSC1D0	C	R	N	U			
67	3WSC1E0	C	R	N	U			
68	3WSC1F0	C	R	N	U			
69	3WSC1G0	C	R	N	U			
70	3WSC1H0	C	R	N	U			
71	3WSC1J0	C	R	N	U			
72	3WSC1J6	C	R	N	U			
73	3WSC1K0	C	R	N	U			
74	3WSC1K4	C	R	N	U			
75	3WSC1K8	C	R	N	U			
76	3WSC1L2	C	R	N	U			

Q #	Question	Result				Sig	Rep	PMS
77	3WSC1L4	C	R	N	U			
78	3WSC1L6	C	R	N	U			
79	3WSC1L8	C	R	N	U			
80	3WSC1M2	C	R	N	U			
81	3WSC1M4	C	R	N	U			
82	3WSC1M6	C	R	N	U			
83	3WSC1M8	C	R	N	U			
84	3WSC1N0	C	R	N	U			
85	3WSC1O0	C	R	N	U			
86	3WSC1Q0	C	R	N	U			
87	3WSC1R0	C	R	N	U			
88	3WSC1S0	C	R	N	U			
89	3WSC1T0	C	R	N	U			
90	3WSC1U0	C	R	N	U			
91	3WSD1A0	C	R	N	U			
92	3WSD1B0	C	R	N	U			
93	3WSD1D0	C	R	N	U			
94	3WSD1E0	C	R	N	U			
95	3WSD1F0	C	R	N	U			
96	3WSD1G0	C	R	N	U			
97	3WSD1H0	C	R	N	U			
98	3WSD1I0	C	R	N	U			
99	3WSD1J0	C	R	N	U			
100	3WSD1K0	C	R	N	U			
101	3WSD1L0	C	R	N	U			
102	3WSD1O2	C	R	N	U			
103	3WSD1P0	C	R	N	U			
104	3WSD1Q0	C	R	N	U			
105	3WSD1S0	C	R	N	U			
106	3WSD1V0	C	R	N	U			
107	3WSD1Y0	C	R	N	U			
108	3WSD2A0	C	R	N	U			
109	3WSD2C0	C	R	N	U			
110	3WSD2D0	C	R	N	U			
111	3WSD2E0	C	R	N	U			
112	3WSD2F0	C	R	N	U			
113	3WSD2H0	C	R	N	U			
114	3WSD3A0	C	R	N	U			
115	3WSD5A0	C	R	N	U			
116	3WSD5C0	C	R	N	U			
117	3WSE1A0	C	R	N	U			
118	3WSE1B0	C	R	N	U			
119	3WSE1B1	C	R	N	U			

Q #	Question	Result				Sig	Rep	PMS
120	3WSE1B2	C	R	N	U			
121	3WSF1A0	C	R	N	U			